

Invited Presentations

1. **Ibnelwaleed A. Hussein** and Michael C. Williams, "Influence of T_{mix} on Rheology and Miscibility of Polyethylene Blends", Award Presentation, Polyblends '99, Boucherville, Quebec, October 13-15, 1999.
2. **Ibnelwaleed A. Hussein**, Invited Lecture, "Fundamentals of Polymer Technology", Jubail Industrial College, May, 2003.

Conference Presentations

3. Tayyab Hameed, **Ibnelwaleed A. Hussein**, Compatibilized m-LLDPE/LDPE Blends, Proceedings of the 6th International Conference and Exhibition on Chemistry in Industry, Bahrain, Sept. 27-29, 2004.
4. **Ibnelwaleed A. Hussein**, Implications of melt Miscibility on Thermal and Mechanical Properties of metallocene LLDPE Blends with HDPE: Influence of Comonomer Type, presented at the 20th Meeting of the Polymer Processing Society, Akron, OH, June 20-24, 2004.
5. Rehan A. Chaudry, **Ibnelwaleed A. Hussein**, Basel F. Abu Sharkh, "Influence of Molecular Parameters and Processing Conditions on the Rheology of Hydrogenated Nitrile Butadiene Rubbers", presented at the 20th Meeting of the Polymer Processing Society, Akron, OH, June 20-24, 2004.
6. **Ibnelwaleed A. Hussein**, Rehan A. Chaudry, Basel F. Abu Sharkh, "Study of the Miscibility and Mechanical Properties of NBR/HNBR blends", presented at the 20th Meeting of the Polymer Processing Society, Akron, OH, June 20-24, 2004.
7. Adam M. Giri, Basel F. Abu Sharkh, **Ibnelwaleed A. Hussein**, Molecular Dynamics Simulation of the influence of branch content on the miscibility of HDPE in metallocene octene-LLDPE", 6th Saudi Engineering Conference, Dhahran, Nov. 2002.
8. Tayyab Hameed, Basel F. Abu Sharkh, **Ibnelwaleed A. Hussein**, Molecular Dynamics Simulation of the influence of branch content on the miscibility of LDPE in metallocene octene-LLDPE", 6th Saudi Engineering Conference, Dhahran, Nov. 2002.
9. **Ibnelwaleed A. Hussein** and Michael C. Williams, "Rheological Study of the influence of Branch Content on the Miscibility of octene m-LLDPE/LDPE and ZN-LLDPE/LDPE Blends", 18th Polymer Processing Society meeting, Portugal, June 18-22, 2002.
10. **Ibnelwaleed A. Hussein** and Michael C. Williams, "Rheological Study of the Miscibility of octene m-LLDPE and LDPE Blends: Influence of some molecular parameters, Polymer Processing Society, Anatalia, Turkey, October 22-24, 2001.
11. **Ibnelwaleed A. Hussein** and Michael C. Williams, "Rheological Study of the Miscibility of octene m-LLDPE and LDPE Blends: Influence of some molecular parameters, 3rd Pacific Rim Conference on Rheology, Vancouver, Canada, July 8-13, 2001.
12. **Ibnelwaleed A. Hussein** and Michael C. Williams, Melt-Indexer Evidence of High Temperature Transitions in Molten High-Density Polyethylenes, 3rd Pacific Rim Conference on Rheology, Vancouver, Canada, July 8-13, 2001.
13. Basel F. Abu-Sharkh, Nasir M. Tukur, **Ibnelwaleed A. Hussein**, Investigation of Structure-Conformation Relationships in molten m-Polyethylenes by Molecular Simulation Techniques, 3rd Pacific Rim Conference on Rheology, Vancouver, Canada, July 8-13, 2001.
14. **Ibnelwaleed A. Hussein** and Michael C. Williams, "Effect of Molecular Parameters and Temperature on the Miscibility of Polyethylene Blends, presented at the 71th Annual meeting of the Society of Rheology, Madison, Wisconsin, Oct. 17-21, 1999.
15. **Ibnelwaleed A. Hussein** and Michael C. Williams, "Thermomechanical Degradation in the Preparation of Polyethylene Blends", 71th Annual meeting of the Society of Rheology, Madison, Wisconsin, Oct. 17-21, 1999.

16. **Ibnelwaleed A. Hussein** and Michael C. Williams, 'Temperature Dependence of Complex Viscosity in HDPE melts and Evidence of Microstructural Transitions', presented at the EURORHEO99 Conference, Sophia-Antipolis (Nice), France, May 3-7, **1999**.
17. **Ibnelwaleed A. Hussein** and Michael C. Williams, 'Evidence of Liquid Crystalline Rheology in Melts of Polyethylene', presented at the 70th Annual meeting of the Society of Rheology, Monterey, California, Oct. 4-8, **1998**.
18. **Ibnelwaleed A. Hussein** and Michael C. Williams, 'Anomalous Nonlinearities in Polyethylene Melts', 'Mechanics of Nonlinear Materials' Conference, Banff, Alberta, May 13-16, **1998**.
19. **Ibnelwaleed A. Hussein** and Michael C. Williams, 'Rheology of Immiscible polyethylenes', 69th Annual Meeting of the Society of Rheology, Columbus, Ohio, USA, October 19-23, **1997**.
20. **I.A. Hussein**, Z. Fan, P. Choi and M.C. Williams, 'Phase Behavior of LDPE/LLDPE Blends Prepared at Optimum Blending Conditions', 47th Canadian Chemical Engineering Conference, Edmonton, AB, Canada, October 5-8, **1997**.
21. M. Mohammad, **I.A. Hussein** and M.C. Williams, 'Measuring Density-Temperature Behavior of Polymer Solids and Melts: Comparison of DSC and Densitometer Results for Polyethylenes', 47th Canadian Chemical Engineering Conference, Edmonton, AB, Canada, October **1997**.
22. Z. Fan, **I.A. Hussein**, P. Choi and M.C. Williams, 'D.S.C. Study of the Miscibility of LDPE/LLDPE Blends', 47th Canadian Chemical engineering Conference, Edmonton, AB, Canada, October **1997**.
23. H.K. Abdel Aal and **I.A. Hussein**, The Precipitation of Mg and Ca Hydroxides in Sea Water Electrolysis, *Proceedings of the 10th Hydrogen Energy Conference*, Florida, **1994**.
24. H.K. Abdel Aal and **I.A. Hussein**, Electrolysis of Saline Water under Simulated Conditions of P.V. Solar Cell, *Proceedings of the 9th Hydrogen Energy Conference*, Paris, **1992**.